

AMENDMENTS TO THE CLAIMS

Claims 1 to 11. (Canceled)

Claim 12. (New) A porous multilayer calcium phosphate spherical particle, which is a porous and spherical calcium phosphate particle having a particle diameter in a range of from 0.1 to 100 μm , wherein the calcium phosphate is substituted with a metal ion or has a metal ion carried on the surface thereof, in a range of from 0.0001 to 10wt%, and is covered with a porous inorganic material.

Claim 13. (New) The porous multilayer calcium phosphate spherical particle as claimed in claim 12, wherein the porous and spherical calcium phosphate particle has a porosity by a specific surface area/pore distribution measurement with BET method (specific surface area measurement method) of 20% or more, and a specific surface area of 20 m^2/g or more.

Claim 14. (New) The porous multilayer calcium phosphate spherical particle as claimed in claim 12, wherein the porous and spherical calcium phosphate particle is a porous particle formed from microcrystal of calcium phosphate by spray drying or the like.

Claim 15. (New) The porous multilayer calcium phosphate spherical particle as claimed in claim 12, wherein the metal ion for substitution or surface carrying is at least one of ions of zinc, magnesium, iron and copper.

Claim 16. (New) A porous multilayer calcium phosphate spherical particle, which is obtained by sintering the porous and spherical calcium phosphate particle as claimed in claim 12 at a temperature in a range of from 100 to 800°C.

Claim 17. (New) The porous multilayer calcium phosphate spherical particle as claimed in claim 12, wherein the porous and spherical calcium phosphate particle is covered with

a bio-adaptable polymer such as a biopolymer or a polyethylene glycol, or has the bio-adaptable polymer carried thereon.

Claim 18. (New) The porous multilayer calcium phosphate spherical particle as claimed in claim 12, wherein the porous inorganic material is a calcium phosphate-based material or a calcium carbonate-based material.

Claim 19. (New) The porous multilayer calcium phosphate spherical particle as claimed in claim 12, wherein a bio-adaptable polymer such as a biopolymer or polyethylene glycol is carried thereon.

Claim 20. (New) The porous multilayer calcium phosphate spherical particle as claimed in claim 17, wherein the biopolymer is glycosaminoglycan.

Claim 21. (New) The porous multilayer calcium phosphate spherical particle as claimed in claim 19, wherein the biopolymer is glycosaminoglycan.